

# LOYOLA UNIVERSITY BULLETIN

Volume XXVI

March, 1944

Number 1

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## SUMMER SESSION

SUMMER TRIMESTER

JUNE 5 TO SEPTEMBER 22, 1944

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SIX-WEEK SUMMER SESSION

JUNE 10 TO JULY 22, 1944



LOYOLA UNIVERSITY

6363 St. Charles Avenue

NEW ORLEANS, LA.

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# SUMMER SESSION, 1944

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## CALENDAR

### Summer Trimester

|                        |   |
|------------------------|---|
| June 5,<br>Monday..... | Registration of Entering Freshmen, 9:00 A. M. to 12 M. Placement tests for Entering Freshmen 1:00 P. M. to 5:00 P. M. Registration of Sophomores, Upper Division Students and Freshmen beginning second trimester 1:00 P. M. to 4:00 P. M., Marquette Hall. |
|------------------------|---|

- June 6,  
 Tuesday.....Registration of Sophomores, Upper Division Students and Freshmen beginning second trimester, 9:00 A. M. - 12:00 M. 1:00 P. M. - 4:00 P. M., Marquette Hall. Examinations for removal of conditions, 2:00 P. M. - 4:00 P. M.
- June 6 - 9,  
 Tuesday-Friday.....Freshman Orientation.
- June 7,  
 Wednesday.....Fee for late registration. Lectures and classes begin for Sophomores, Upper Classmen and Freshmen beginning second trimester.
- June 10,  
 Saturday.....8:30 A. M. to 12:00 M. Completion of registration procedure for Entering Freshmen.
- June 12,  
 Monday.....Convocation of Faculty and Students of College of Arts and Sciences, Holy Name Auditorium, 8:30 A. M. Lectures and classes follow.
- June 16,  
 Friday.....Latest date for registration or change in registration.
- June 19,  
 Monday.....Latest date for filing of applications of candidates for degrees to be conferred in January, 1945.
- July 4,  
 Tuesday.....Independence Day; no classes.
- July 17,  
 Monday.....Mid-Trimester examinations begin.

- July, 31  
Monday..... Feast of St. Ignatius Loyola; no classes.
- August 15,  
Tuesday..... Feast of the Assumption; No Classes.
- August 16,  
Wednesday..... Theses due in final form from candidates  
for degrees to be conferred in September,  
1944.
- September 4,  
Monday..... Labor Day; no classes.
- September 7,  
Thursday..... Final examinations begin.
- September 22,  
Friday..... Commencement Exercises, 8:00 P. M.
- October 2 - 3,  
Monday, Tuesday..... Registration for Fall Trimester.

### Six-Week Summer Session

- June 10,  
Saturday..... Registration, 8:30 A. M. to 12:00 M.
- June 12,  
Monday..... Fee for late registration. Convocation  
of Faculty and Students, Holy Name  
Auditorium, 8:30 A. M. Lectures and  
classes follow.
- June 14,  
Wednesday..... Latest date for registration and change  
in registration.
- June 16,  
Friday..... Latest date for application of candidates  
for degrees to be conferred in July, 1944.
- June 27,  
Tuesday..... Mid-Session examinations begin.

- July 3,  
Monday.....Theses due in final form from candidates  
for degrees to be conferred in July, 1944.
- July 4,  
Tuesday.....Independence Day; no classes.
- July 22,  
Saturday.....Commencement Exercises, 10:00 A. M.

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*Professor of Education*

### GENERAL INFORMATION

**The Summer Session** This year marks the twenty-fifth anniversary of the Loyola University Summer Session. Since July, 1920, Loyola University has offered, through its Summer Session, academic opportunities to hundreds of men and women whose occupations during the year prevent their attendance at regular college courses. Degrees and credits earned at the Summer Session are accepted by the Louisiana State Board of Education for issuance and extension of teacher certificates. A maximum of six semester hours of credit can be earned in the six-week session.

**Summer Trimester** In the Spring Semester, 1942, Loyola University adjusted the time element of the traditional four-year curriculum and inaugurated an accelerated program of studies, necessitated by the present war conditions. The summer session was expanded to twelve weeks and incorporated into the sequence of the academic courses of all students. In the summer of 1943 further acceleration was obtained by a division of the scholastic year into three terms of sixteen weeks each, of which the Summer Trimester is one.

Under this program, a student is able to complete the work required for a baccalaureate degree in two years and eight months. Thus, a student entering the University in June, 1944, will be graduated in January, 1947. Students not yet of the draft age will find in the accelerated program an opportunity to complete a maximum amount of college work before being called into the service. Pre-medical, pre-dental and pre-legal courses may be completed in one year and four months. This accelerated program of studies abbreviates the time required to complete undergraduate courses without any change in academic standards and requirements. Similar programs of acceleration have been adopted by the professional schools and colleges of the University.

**Compulsory Physical Education** All male students enrolled in the Summer Trimester are required to take courses in physical education. They will be given a thorough health examination to determine their classification for physical activities. A student who is deficient in physical education requirements at the beginning of his senior year will not be allowed to carry a schedule entitling him to graduation at the end of that scholastic year.

**Registration** (Cf. Registration Procedure, page 12)

The registration of students will take place in Marquette Hall on June 5 and 6 for the Trimester; on June 10 for the Six-Week Session.

When paying fees students should be careful to secure class cards showing the courses for which they have registered. Students will be admitted to a class only on presentation of these cards.

The latest date for registration is June 16 for the Trimester, June 14 for the Six-Week Session. An extra fee of two dollars is charged for registration after June 6 for the Trimester, after June 10 for the Six-Week Session.

**Courses** Each course announced in this Bulletin will be offered provided the required minimum number of students apply for it. The University reserves the right to cancel any course for which there are not sufficient registrants. In selecting courses, students working for a degree should be guided by the requirements of the University and should consult the Chairman of the Department of their major subject.

**Degrees** The work of the Summer Session leads normally to the usual academic degrees. Requirements for these degrees will be found in the bulletin of the College of Arts and Sciences of Loyola University. A copy of this bulletin may be secured from the Registrar of the University. Candidates for degrees must be present at the Graduation Exercises if these exercises are held. Degrees will be conferred at the end of both summer

terms and with appropriate exercises if the number of degrees to be conferred warrants. The University will not confer degrees *in absentia* except in the case of students who are called to the armed services.

**Auditors** With the approval of the Director of the Summer Session, persons who have had some college education and who wish to attend certain lecture courses without having to do the work required of regular students may register as auditors of those courses. Auditors pay the same fees as do regular students.

**Administration** Students who withdraw from a course or from the Summer School without the consent of the Director of the Summer Session will be charged with a failure in that course.

If students are tardy three times in the same course, they are charged with an absence. Tardiness exceeding fifteen minutes will be counted as an absence. Any student whose number of absences exceeds twice the number of semester hours that the course carries in a semester is automatically suspended from that course. The student should report in writing to the Office of the Assistant Dean within three days after his return to the University the reason for each absence incurred. Serious illness or a similar grave cause will be the only acceptable reason for which a student may incur absences. If among the absences incurred there are more than three in any one course for which no acceptable excuse is presented, the student will under no circumstances be reinstated. The decision of the Committee on Attendance will be final. An absence is defined as a failure to attend a class which covers a fifty minute period. Should a student fail to be present for a class which covers a longer period of time, the student is charged with one and one-half or two absences, according to the length of the period.

An excused absence does not exempt a student from tests or other written work required during the period of absence. The responsibility for making up work or for taking omitted tests rests wholly upon the student.

Students are held responsible for reading daily all notices on the bulletin boards. Their failure to do so will not be accepted as an excuse for their not being guided by official announcements.

All regulations that apply to the Regular session of the College of Arts and Sciences apply in similar manner to the Summer Session. These are to be found in the regular catalog of the College, which any student may get from the Registrar upon request.

**Fees** The basic fee for the Summer Trimester is \$90.00. A matriculation fee of \$5.00 is charged at the time of a student's first registration in the College of Arts and Sciences. Additional fees are: \$12.50 per trimester for each science laboratory course; \$10.00 for Education 350 (Directed Observation and Teaching); \$5.00 per trimester for compulsory Physical Education (to cover the cost of medical examinations and equipment used); \$5.00 per trimester for Finance 321-322 (laboratory fee). Fees for the Summer Trimester may be paid in two installments; the first at the time of registration, the second on August 1.

The tuition fee for the Summer Session is \$5.00 per semester hour, except for accredited teachers and members of a religious community. For accredited teachers who are at present engaged in teaching, the tuition fee is \$4.00 per semester hour. The Teacher's Certificate accompanied by a statement of present employment should be presented to the Assistant Dean for inspection at the time of registration. For students who are members of a Religious Community, the charges are \$10.00 for the first two semester hours and \$5.00 for each additional two semester hours or less. A library fee of \$1.00 is to be paid by all. Students who take a science course will be charged a laboratory fee of \$12.50 per semester. The science laboratory fee for Religious is \$7.50 per semester. All students are charged the registration fee of \$5.00. A matriculation fee of \$5.00 is charged when a student registers for the first time. In

the Six-Week Summer Session, all fees are to be paid at registration.

A fee of \$2.00 is charged for each entrance examination and conditional examination.

No refund will be made to a student who withdraws after the latest date for change in registration except in the case of those who are called to the armed services, in which case the total amount paid will be refunded unless the student has attended a sufficient number of classes to obtain credit for the courses scheduled.

Summer Session textbooks may be purchased at the University Bookstore, Marquette Hall.

**Board and Lodging** For non-residents of New Orleans, the University has on file a list of boarding houses and private homes where board may be had at a reasonable rate. Religious who have no Community House in the city should apply to the Superiors of the various convents and academics. The local religious houses have expressed their willingness to domicile religious students for the Summer Session period, provided timely application and arrangements are made.

**Departments of Instruction** The courses of instruction in all departments are numbered as follows: (a) lower division courses, 001 to 299; those numbered from 001 to 099 are introductory, those numbered 100 to 199 are on the Freshman level, those numbered from 200 to 299 are on the Sophomore level. (b) Upper division courses are numbered from 300 to 399.

### REGISTRATION PROCEDURE

1. A record of all previous work done in high school or college should be on file in the office of the Registrar prior to registration. A student who fails to have such credentials on file will be granted provisional registration only. If credentials are not received within a reasonable time after the day

of registration, the provisional registration of such a student will be cancelled; the student will be dismissed from the University, and no refund of fees will be granted.

2. Students will receive admit cards to registration from the Office of the Registrar. These admit cards acknowledge the receipt of proper credentials. They should be presented to the Chairman who handles their registration.
3. For the selection of their courses, students will consult with the Chairmen: Upper division students according to their major subject; Lower division students (freshmen and sophomores) according to the degree for which they have registered.

|                    |         |           |
|--------------------|---------|-----------|
| Biology            | Room 34 | 2nd Floor |
| Chemistry          | Room 34 | 2nd Floor |
| Economics          | Library | 1st Floor |
| Education          | Library | 1st Floor |
| English            | Library | 1st Floor |
| French             | Library | 1st Floor |
| German             | Library | 1st Floor |
| History            | Library | 1st Floor |
| Journalism         | Library | 1st Floor |
| Latin              | Library | 1st Floor |
| Mathematics        | Room 34 | 2nd Floor |
| Medical Technology | Room 34 | 2nd Floor |
| Philosophy         | Library | 1st Floor |
| Physical Education | Library | 1st Floor |
| Physics            | Room 34 | 2nd Floor |
| Political Science  | Library | 1st Floor |
| Religion           | Library | 1st Floor |
| Sociology          | Library | 1st Floor |
| Spanish            | Library | 1st Floor |

A. B. Degree, Fr. Brooks, Chairman of Classical Languages.

Ph. B. Degree, Fr. Chapman, Chairman of History.

Pre-Dental, Dr. Moore, Chairman of Biology.

Pre-Legal, Fr. O'Connor, Chairman of English.

Pre-Medical, Dr. Moore, Chairman of Biology.

B. S. in Education Degree, Fr. Whelan, Chairman of Education.

B. S. Degree, Dr. Moore, Chairman of Biology.

B. S. in Economics Degree, Dr. Connor, Chairman of Economics.

Students who do not wish to register as candidates for a degree will consult with the Chairman in charge of the course which they wish to schedule.

4. The student will then take the trial sheet and class cards supplied to him by the Chairman to Room 31 or 33, where he will receive a registration card. He is then to fill in both sides of his registration card, giving the information required and filling in the schedule as outlined on the trial sheet made up by the Chairman.
5. The Registration cards, the class cards, and the Trial sheets are to be handed to the checkers in Rooms 31 and 33.
6. The cards given to the student by the checkers are presented to the Assistant Dean in Room 23, Marquette Hall.
7. The cards and the bill issued by the Assistant Dean must be brought to the Bursar on the Basement floor of Marquette Hall. A student is not officially registered in the University until he has paid the Bursar.



**BIOLOGY AND MEDICAL TECHNOLOGY**WALTER G. MOORE, PH. D., *Chairman***Summer Trimester**

**Bl. 104 General Zoology** A continuation of the course Bl. 101. A comprehensive study is made of typical invertebrate and vertebrate animals. Cell divisions, embryology, and heredity are also considered. This course is required of pharmacy students. Two lectures and two laboratory periods. Prerequisite: Bl. 101. 4 sem. hrs.

**Bl. 106 Vertebrate Zoology** A study of the taxonomy, morphology, physiology, life history, habits, and distribution of vertebrate animals. Reference is made to the lower chordate animals. Embryology, genetics, and ecology are considered briefly. This course is recommended for pre-medical students. Two lectures and two laboratory periods. Prerequisite: Bl. 105. 4 sem. hrs.

**Bl. 202 General Embryology** A study of the origin and maturation of germ cells, fertilization, and the formation of germ layers in certain typical invertebrate and vertebrate animals. Knowledge of the development of the systems of a vertebrate is obtained through an intensive study of the development of the chick. Two lectures and two laboratory periods. Prerequisite: Bl. 201. 4 sem. hrs.

**Bl. 206 Elementary Physiology** A course in the fundamentals of mammalian anatomy and the normal functions of tissues and organs with special emphasis on the human type. Three lectures and one laboratory period. Prerequisite: Bl. 201. 4 sem. hrs.

**Bl. 301 Bacteriology** This course embraces bacteriological technique, the classification and the study of the properties of important non-pathogenic and pathogenic bacteria. The principles of immunity and serology, and a brief survey of

protozoan parasites and filtrable viruses are also considered. This course is recommended for pre-medical students. Two lectures and two laboratory periods. Prerequisite: Bl. 201.

4 sem. hrs.

**Bl. 306 Animal Microtechnic** A course in the principles and methods of preparing animal material for microscopical study. The student is given practice in fixing, embedding, sectioning, staining, and mounting tissues, the preparation of whole mounts. It is recommended for biology majors. One lecture or conference, and at least three laboratory periods a week. Prerequisite: Bl. 302.

4 sem. hrs.

**Md. 102** A course to acquaint the prospective Medical Technician with the care of the equipment of the laboratory and the ethics of the profession. A study of the fundamentals of hematology is included in the first semester and the principles of urinalysis the second.

4 sem. hrs.

**Md. 202** This course includes a thorough review of the fundamentals of urinalysis and hematology, and detailed studies in the technique of electrocardiography, basal metabolism, and fecal analysis are made.

4 sem. hrs.

**Md. 302** A course designed to acquaint the student with the techniques and fundamental principles of serology and medical bacteriology. It is essential that Bl. 301 (Bacteriology) precede this course.

4 sem. hrs.

**Md. 391** A comprehensive review of all preceding courses with further studies in techniques and interpretation of results. The following subjects are included:

|                 |                                   |
|-----------------|-----------------------------------|
| Urinalysis      | Gastro-Enterology                 |
| Hematology      | Pathogenic Bacteriology           |
| Serology        | Basal Metabolism                  |
| Tissue Sections | Electrocardiography               |
| Parasitology    | Museum Preparation Technique      |
| Fecal Analysis  | Gross and Microscopic Photography |

8 sem. hrs.

**Six-Week Summer Session**

**Bl. 303-4 General Physiology** The study of the normal functions of tissues and organs of animal forms. Special emphasis is laid on the mammalian type in order to better understand human physiology. Two lectures and two laboratory periods. Prerequisite: Bl. 201. 8 sem. hrs.  
8:00 A. M. - 1:00 P. M. DR. MOORE

**CHEMISTRY**

REV. GEORGE A. FRANCIS, S.J., PH.D., *Chairman*

**Summer Trimester**

**Ch. 102 General Inorganic** Fundamental principles of chemistry; the laws of chemical action and description of the non-metallic and metallic elements and their compounds. Two lectures, one recitation and two laboratory periods.

4 sem. hrs.

**Ch. 202 Organic Chemistry** Discussion of the important compounds of aliphatic and aromatic series and preparation of typical compounds. Two lectures and two laboratory periods.

4 sem. hrs.

**Ch. 302 Inorganic Quantitative Analysis** Gravimetric and volumetric methods of analysis. One lecture and three laboratory periods.

4 sem. hrs.

**Ch. 304 Physical Chemistry** A general survey of the subject. Treatment of the laws of chemical phenomena—the gaseous, liquid, and solid states of matter. The course treats of thermo-chemistry, laws governing chemical changes, and electro-chemistry. Two lectures and two laboratory periods.

4 sem. hrs.

**Ch. 306 Industrial Chemistry** A study of the more important chemical industries. The course deals with produc-

tion of petroleum products; animal and vegetable oils and fats; sugar; water for municipalities and for industrial uses; paints; varnishes; lacquers; synthetic plastics; industrial alcohol; etc. Two lecture periods. 4 sem. hrs.

**Ch. 308 Technical Methods of Analysis** Analysis of the substances discussed in Ch. 305-306. Three laboratory periods. 3 sem. hrs.

**Ch. 310 Biological Chemistry** A study of the chemical constituents of the body. The chemistry and functions of the carbohydrates, fats, proteins, vitamins, and mineral elements of foods. Two lectures and three hours of laboratory. This course is offered for Medical Technology students only. 3½ sem. hrs.

### Six-Week Summer Session

**Ch. 101 General Inorganic** First half of course as described in Summer Trimester under Ch. 102. 4 sem. hrs.  
8:00-10:35 A. M. MR. SCHUYTEN

## CLASSICAL LANGUAGES

REV. ROBERT M. BROOKS, S.J., A.M., *Chairman*

### Summer Trimester

**Lt. 101 Cicero** One of these four orations: Pro Archia, De Signis, Pro Marcello, Pro Ligario. Rapid review of syntax. 3 sem. hrs.

**Lt. 106 Latin Composition** Advanced composition based on Bradley's Arnold. 2 sem. hrs.

**Lt. 201 Cicero** A study of the principles of the art of literary expression as illustrated and exemplified by the Pro Milone, Pro Lege Manilia, or the Second Philippic. 3 sem. hrs.

**Lt. 206 Latin Composition** Advanced composition. A continuation of Lt. 106. 2 sem. hrs.

**Six-Week Summer Session**

- Lt. 102 Horace** Ars Poetica and select lyrics; principles of versification. 3 sem. hrs.  
10:50-12:05 A. M. FR. BROOKS
- Lt. 202 Horace** Literary study of the Satires and Epistles. 3 sem. hrs.  
9:25-10:40 A. M. FR. BURRUS
- Lt. 206 Latin Composition** (As described in Summer Trimester) 2 sem. hrs.  
8:00-8:50 A. M. FR. BURRUS
- Lt. 305 Dramatic Poetry** Selections from Plautus and Terence. 3 sem. hrs.  
10:50-12:05 A. M. FR. BURRUS

**ECONOMICS**JOHN V. CONNOR, PH. D., *Chairman***Summer Trimester****A. Commerce**

- Cm. 101 Economic History of United States** A survey of the outstanding industrial, commercial, agricultural, financial, labor, and transportation factors in the development of the United States. 3 sem. hrs.
- Cm. 202 Elementary Economic Problems** Business financing, business cycles; trust and monopoly control; transport; agriculture; labor; insurance; public finance. 3 sem. hrs.
- Cm. 301 Marketing and Merchandising** The place of marketing in the economy; functions; the role of management; price policy; organization of retail merchandising and policies; budgets; advertising and selling. Prerequisite: Cm. 201-202. 3 sem. hrs.

**Cm. 313 Inland Transportation** Evolution of transportation; facilities of transportation; railways, waterways, highways, and airways; transport economics; principles of classification and rate making; public control and legislation; recent problems; emphasis on transportation and the war effort.

2 sem. hrs.

**Cm. 331 Labor Problems** The part played by labor in industry; the organized labor movement; economic insecurity; legislative correction; N. L. R. B. decisions; the War Labor Board; labor in the war effort; women and children in industry.

2 sem. hrs.

### B. Finance

**Fn. 102 Introductory Accounting** Elements of double entry bookkeeping; single proprietorship; partnership; corporation; opening and closing books; intensive drills on working papers; good will; focal date; funds; bonds; discounting of notes. Laboratory drill.

3 sem. hrs.

**Fn. 206 Principles of Accounting** Part I: Accounting problems peculiar to the corporation. Part II: Valuation and special problems of assets and liabilities. Part III: Preparation and analysis of accounting statements. Prerequisites: Fn. 101-102.

3 sem. hrs.

**Fn. 304 Advanced Principles of Accounting** Part I: An intensive study of the classification and valuation of balance sheet data, followed by statement presentation and analysis. Part II: Application of advanced principles of accounting, emphasizing statements for sources and application of funds; variations in profits; business budgets; consignments; installment sales; consolidations; domestic and foreign branch accounting. Prerequisite: Fn. 205-206 or its equivalent.

3 sem. hrs.

**Fn. 306 Investments** Principles of sound investments; analysis of stocks, bonds, and other types of securities;

sources of financial information; interpretation of financial news and corporation reports; bond houses and security exchanges; the money market; specific industrial and other analyses. Prerequisite: Cm. 201-202. 3 sem. hrs.

**Fn. 307 Corporation Financing and Management** Forms of business enterprise; promoters; conditions and laws of incorporation; underwriting; working capital; distribution of dividends; financial plan for operation; failure and reorganization; relations of shareholders, creditors, and the general public to the corporation. Prerequisite: Cm. 201-202. 3 sem. hrs.

**Fn. 311 Business Statistics** Collection, analyses, and presentation of statistical data; barometers of business forecasting; plotting of graphs for executive control. Prerequisite: 6 sem. hrs. of college mathematics. 3 sem. hrs.

**Fn. 314 Federal Tax Accounting and Procedure** Part I: Methods of accounting for income tax in relation to individuals and business and the preparation of income tax returns. Part II: Employees' social security taxes; federal and state estate and fiduciaries; excise, capital-stock and excess-profits taxes. Prerequisite: Fn. 201-202. 2 sem. hrs.

**Fn. 315 Cost Accounting** Special emphasis on war production. Part I: Principles of accounting applied to the problems of scientific accumulation of manufacturing costs to determine unit and job costs under continuous process and job-order systems. Part II: Special cost problems; by-products and co-products; inventory difficulties and complexities; distribution costs; elements of standard cost accounting. Part III: Budget principles and procedure; producing for war, emphasizing reimbursable and non-reimbursable costs; priorities and allocations. Prerequisite: Fn. 205-206 or its equivalent. 2 sem. hrs.

**Fn. 320 Auditing Principles** Auditing procedure; types of audits; working papers and reports. Prerequisite: Fn. 303-304 or its equivalent. 3 sem. hrs.

**EDUCATION AND PHYSICAL EDUCATION**REV. JAMES F. WHELAN, S.J., PH.D., *Chairman***Summer Trimester****A. Education**

**Ed. 303 The Program of Secondary Education—Part 1** The purpose of this course is to bring about an understanding of the organization of learning programs in the secondary school and a knowledge of the materials and methods suited to the needs of secondary pupils. Part 1 of this course includes: The development of the American high school, the formulation of an educational philosophy of the American secondary school, the objectives and functions of secondary education, the program of the American secondary school, the organization of the program of secondary education, the nature and purpose of the high school curriculum, the identification and analysis of the problems involved in curriculum-making in the secondary school, and curriculum-making and the program of studies for secondary education. 2 sem. hrs.

**Ed. 304 The Program of Secondary Education—Part 2** This course is a continuation of Part 1. It includes: Means and materials of the high school curriculum, the pupil activity program, the organization of curriculum materials and elements of learning and teaching, curriculum evaluation, revision and adjustments, organization of secondary school pupils, guidance service in the secondary school, library service in the secondary school, and organization of the secondary school staff. 2 sem. hrs.

**Ed. 330 General Psychology—Course 1** Definition and scope; mental faculties; the external senses; the internal senses; impulses and desires; reflex action; the faculty of thought; the faculty of choice; feelings and emotions; habit; character. 3 sem. hrs.

**Ed. 333 Educational Psychology** The purpose of this course is to understand how pupils learn and the implications of



the learning process for secondary pupils. The course includes; Psychology and its relation to education, heredity and environment: implications for education, physiological foundations of behavior, unlearned behavior: reflexes, instincts, and emotions, growths and maturation, nature of the learning process, theories and types of learning, psychological factors influencing learning: attention, interest, motivation, inhibition, physiological factors influencing learning: fatigue, age, organic defects, physiological limit, etc., physical factors influencing learning: time of day, atmospheric conditions, distracting agencies, drugs, etc., acquisition and retention: learning curves, transfer of training. 3 sem. hrs.

**Ed. 350 Directed Observation and Teaching** This course offers to prospective teachers a cadetship in teaching under the direction of an approved and experienced teacher. Students registering in this course must have an average of 1.25 quality points in the teaching field, together with at least six semester hours in education, before they will be allowed to teach any subject. This course must include at least sixty clock hours of actual teaching while being observed by the critic teacher. The work of the course consists in actual teaching under the direction and observation of the critic teacher, and conferences with the critic teacher, the school principal, and the instructor of the course.

*Observation:*

Study of the pupil to be taught, assistance to critic teacher by gradual initiation into duties of the teacher, such as keeping class roll, noting and taking responsibility for physical aspects of classroom, assisting individual pupils in finding references, deciding on advanced or supplementary assignments, participation in class discussions and activities as if a member of the class.

Experience in marking some of the pupils' papers; in becoming familiar with the classroom and general library references in the field, and other materials; in helping individuals and small groups plan activities, work out group projects, etc.

Construction or revision of a teaching unit (with or without the aid of pupils) to be used by student teacher while in full responsibility for class.

Private conferences with critic teacher and supervisor on points observed and problems noted in connection with observation period of gradually increasing assistance and participation.

*Practice:*

Experience in teaching one or more units in the class assigned therefor; and in assuming complete responsibility for all the activities of planning and execution connected therewith.

Private conferences with the critic teacher and supervisor on problems, responsibilities and activities growing out of actual teaching being done by student.

Attendance at and participation in the general group conference of all student teachers with the supervisory staff program—at least once a week.

Construction, administration, and evaluation of objective and essay tests used in teaching of units and in final semester or term examinations in the field of teaching.

Visits to other teachers and schools for observation of problems and methods under varying conditions.

Construction and use of student teachers' self-rating scales and self-evaluation charts and outlines, and using same.

Laboratory fee, \$10.00

4 sem. hrs.

## B. Physical Education

**Ped. 101 Physical Activity** An introduction to fundamental activities in calisthenics, competitive and combative sports. Required of all male freshmen. 1 sem. hr.\*

**Ped. 102 Physical Activity** Advanced course in calisthenics, competitive and combative sports. Required of all male freshmen. 1 sem. hr.\*

**Ped. 189 Theory and Practice<sup>m</sup> of Relay, Contests and Minor Games** Games that can be used in class, also lead-up games that can be used with major games. 2 sem. hrs.\*

**Ped. 201 Physical Activity** A program of sports activities, including team organization and fundamentals of team play. Required of all male sophomores. 1 sem. hr.\*

**Ped. 202 Physical Activity** An advanced program of sports, including participating, officiating and interpretation of rules and regulations. Required of all male sophomores. 1 sem. hr.\*

**Ped. 301-2 Physical Activity** A continuation of Ped. 202 for Juniors. 2 sem. hrs.\*

**Ped. 303-4 Physical Activity** A continuation of Ped. 301-2 for Seniors. 2 sem. hrs.\*

**Ped. 380 Theory and Practice of Physical Education** Organization, direction, rules, and fundamental team play in major sports. 2 sem. hrs.\*

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\*No academic credit is given unless Physical Education is included in the minor area of the field of concentration. Otherwise, credit is given for certification only.

## Six-Week Summer Session

### A. Education

**Ed. 303-4 The Program of Secondary Education** (As described in Summer Trimester.) 4 sem. hrs.  
8:00-9:40 A. M. FR. WHELAN

**Ed. 310 History of Education** The historical foundation of modern education; the aims and methods of education in our western civilization. 3 sem. hrs.  
10:50-12:05 A. M. FR. BASSICH

**Ed. 321 Principles of Elementary Education** The elementary school curriculum and curriculum making; progressive trends in elementary education; the supervision of elementary education; the administration of elementary education.

9:25-10:40 A. M. 3 sem. hrs.  
MISS BOSTICK

**Ed. 342 Teaching Music and Art in the Elementary School** The psychological basis of appreciation; stories of the composers and artists; incidences which prompted the compositions; the correlation of music with art; and the contribution of music and art to the curriculum.

10:50-12:05 A. M. 3 sem. hrs.  
MISS BOSTICK

### B. Physical Education

**Ped. 185-6 Safety and First Aid** A course for teachers on safety and the teaching of safety. Fundamental techniques useful in emergency situations.

9:50-10:40 A. M. 2 sem. hrs.\*  
MISS WALSH

**Ped. 187 Elementary Folk and National Dances** A study of the authentic dances and costumes of different nations. This course includes dances and rythms suitable for children in the first six grades of the elementary school.

8:55-9:45 A. M. 2 sem. hrs.\*  
MISS WALSH

**Ped. 188 Red Cross Hygiene and Home Nursing** (Formerly Home Hygiene and Care of the Sick). Personal, home, and community hygiene; emphasis on means of preventing the spread of infectious diseases and care of sickness in the home. State and Federal health authorities urge every woman to take this course as a vital wartime measure in view of the growing scarcity of doctors and nurses, and also as a source of health information for post-war reconstruction.

11:05-11:55 A. M. 2 sem. hrs.  
MISS A. DISCON

**Ped. 388 Theory and Practice of Physical Education for Women** Athletic coaching in intramural and interscholastic

athletics, volleyball, basketball, indoor baseball, tennis, hit-pin ball, and badminton. 2 sem. hrs.\*

8:00-8:50 A. M.

MISS WALSH

\*No academic credit is given unless Physical Education is included in the minor area of the field of concentration. Otherwise, credit is given for certification only.

## ENGLISH AND SPEECH

REV. EUGENE J. O'CONNOR, S.J., PH.D., *Chairman*

### Summer Trimester

#### A. English

**En. 001 English Composition** A course devoted to practice in correct writing. This course is taken simultaneously with En. 101 by students who demonstrate in the aptitude test a noticeable weakness in the fundamentals. Two periods a week. No credit.

**En. 101 Freshman Composition** Principles of effective writing. 3. sem. hrs.

**En. 101-X** This section of En. 101 is devoted to remedying the special deficiencies of Latin American students. Special emphasis is placed on correct pronunciation. Offered three times a week exclusively for Latin American students.

3 sem. hrs.

**En. 102 Freshman Composition** Continuation of En. 101. Exercises in narrative and descriptive forms, and the familiar essay. 3 sem. hrs.

**En. 102-X** A continuation of En. 101-X 3 sem. hrs.

**En. 202 A Survey of English Poetry and Prose** From the Romantics to the present day. This course is required of all Sophomores. 3 sem. hrs.

**En. 328 Sixteenth Century Poetry and Prose** The English sonnet and the development of English lyric poetry; the development of English prose. 3 sem. hrs.

**En. 351 History of Drama** An historical review of the drama; the spirit and thought of each age as exemplified in the drama of the period; an outstanding example of each school thoroughly analyzed. 3 sem. hrs.

### B. Speech

**Ex. 101 Fundamentals of Speech** Study of elemental factors governing good speech content and speaking habits in address; expressive English, correct and distinct oral diction, vocal form, posture, platform manners; analysis of the relation between voice and personality; developing poise and freedom of bodily movement. 3 sem. hrs.

**Ex. 201 Dramatic Interpretation** Fundamentals of acting, line interpretation, establishing mood, analyzing character; detail work in pantomime. 3 sem. hrs.

### Six-Week Summer Session

#### A. English

**En. 201 A Survey of English Poetry and Prose** Political, intellectual, and religious background from Beowulf to the Romantics. The course is required of all Sophomores. Offered every year. 3 sem. hrs.

8:00-9:15 A. M.

FR. LEMIEUX

**En. 202 A Survey of English Poetry and Prose** (As described in Summer Trimester). 3 sem. hrs.

10:50-12:05 A. M.

FR. QUIRK

**En. 307 Shakespeare's Comedies** The theory of comedy; the development of comedy with special reference to selected plays. 3 sem. hrs.

10:50-12:05 A. M.

FR. LEMIEUX

**En. 319 Newman** His commanding position in the religious and intellectual life of the nineteenth century. 3 sem. hrs.  
8:00-9:15: A. M. FR. QUIRK

### B. Speech

**Ex. 213 Radio Script Writing** A thorough examination of script types. Rules for radio writing are explained and exemplified with particular emphasis on the writing of dialogue. Students are required to produce original scripts, some of which may be recommended for broadcasting over station WWL if, in the opinion of the professor in charge, they deserve such a distinction. 2 sem. hrs.  
8:20-9:10 A. M. DR. BONOMO

**Ex. 223 Radio Production. One-Act Play** A study of the technique of the one-act play from the standpoint of Radio, with a critical analysis of selected one-act plays, including Lady Gregory, Barrie, O'Neill, Tarkington, Synge and Sierra. 2 sem. hrs.  
10:50-11:40 A. M. DR. BONOMO

## HISTORY AND POLITICAL SCIENCE

REV. CHARLES C. CHAPMAN, S.J., PH.D., *Chairman*

### Summer Trimester

#### A. History

**Hs. 102 Survey of World History II** In this semester, past movements are coordinated with present civilization by studying the present in the light of the past. Special emphasis is placed throughout on the unity and continuity of history. 3 sem. hrs.

**Hs. 202 Survey of United States History II (1865-1944)** Division and reunion; economic and social developments; imperialism; agriculture vs. industry; growth of monopolies and trusts; World War I; the New Deal; American interest in world affairs; World War II. 3 sem. hrs.

**Hs. 322 Modern Europe II (1689-1830)** French-Spanish-Dutch wars for colonial and commercial supremacy; decline of Spain; rise of Russia and Prussia; dismemberment of Poland; "benevolent despots"; "Old Regime" and the French Revolution; the Hanoverians; Napoleon; Congress of Vienna; reaction against liberalism; Holy Alliance; Metternich.

3 sem. hrs.

### B. Political Science

**Psc. 304 American Government II** State and local governments in the United States; structure and composition; powers and limitations of the lesser governmental units; workings of the state executive, legislative, and judicial branches; state administration and finance; changing relations between the nation and the states; types of municipal organization: county, parish, township, villages, and special districts.

3 sem. hrs.

### Six-Week Summer Session

**Hs. 102 Survey of World History II** (As described in Summer Trimester).

3 sem. hrs.

10:50-12:05 A. M.

MISS L. DISCON

**Hs. 202 Survey of United States History II (1865-1944)** (As described in Summer Trimester).

3 sem. hrs.

11:05-12:20 A. M.

FR. CHAPMAN

**Hs. 321 Modern Europe I (1500-1689)** National monarchies; empires and city-states; commercial and industrial revolution; the Protestant revolt; Charles V and Philip II; religious wars in Europe; Catholic reformation; the Stuarts and the Parliament; Age of Louis XIV; British revolutions; European wars.

3 sem. hrs.

10:50-12:05 A. M.

FR. ST. PAUL

**Hs. 351 Latin American History** Central and South American States; discovery, conquest and colonization of the Caribbean, Central and South American areas; early provincial



and State Governments; vice-royalties; Spanish-American relations; effects of the European wars; independence from Spain; solidification; revolutions and the present trend.

9:25-10:40 A. M.

3 sem. hrs.

MR. MONASTERIO

## JOURNALISM

EMIL L. TELFEL, A.M., *Chairman*

### Summer Trimester

**Jr. 301 News Writing and Reporting** Elements of news; the lead; style and structure of news stories; news sources; intensive practice in news writing. Writing done in class is inspected, and each student is offered the opportunity for personal conference with the instructor several times in the semester. By lecture and round-table discussion, understanding of various types of news is given before the student undertakes to write the story. Emphasis during the second semester is on developing news judgment and craftsmanship along with skill in handling more complex types of news stories. Prerequisite for all Journalism courses. Required of all students who intend to offer Journalism as a field of concentration. 3 sem. hrs.

**Jr. 303 News Editing** Lectures and intensive practice in copy reading for errors of facts, of English, and of newspaper style; headline writing; news values and policy; libel; page layouts and makeup; reader interest. Press association copy is used during the second semester and students work on the copy desk of the Maroon. Required of all who offer Journalism as a field of concentration. Prerequisite: Jr. 301-302 3 sem. hrs.

**Jr. 306 Modern Feature Writing** Analysis of semi-news copy. The field for feature articles; study of newspaper feature articles for daily feature pages, Sunday magazine supplements, and special departments; magazine articles; structure and style; intensive practice in writing features.

3 sem. hrs.

**Jr. 315 Advanced Newspaper Reporting** Lectures and intensive practice in reporting and writing news of local, state and federal courts; handling the crime news; county and federal administration; politics, finance, labor, with emphasis on stories of background and survey types. Students must have at least six weeks of practice on local newspapers. Required of all who offer Journalism as a field of concentration. Prerequisite: Jr. 301-302. 3 sem. hrs.

**Jr. 340 Propaganda and Censorship** The nature of public opinion; the role of the newspaper in its formation and how the press in turn is influenced by public opinion. Propaganda analysis; the purpose, devices and effects of propaganda and censorship. The different techniques of censorship. 3 sem. hrs.

#### Six-Week Summer Session

**Jr. 310 Journalism for Teachers** A course in the principles of news writing and editing for high school teachers who teach Journalistic Writing or who are in charge of high school papers. The course includes analysis and discussion of the best methods of teaching Journalistic Writing and of supervising high school publications. 3 sem. hrs.

10:50-12:05 A. M.

MR. DASTE

### LIBRARY SCIENCE

MISS HELEN L. MAESTRI, *Chairman*

#### Six-Week Summer Session

Although Students electing Library Science are no longer required to register for all three courses, it is advisable for them to do so.

**Lsc. 101 Administration of the School Library** This course deals in a practical manner with the organization and the administration of the small school library. Emphasis will be given to such problems as student assistants, business practices, accessioning, processing books, circulation system and records. 2 sem. hrs.

8:00-8:50 A. M.

MISS MAESTRI

**Lsc. 105 Reference** The aim of this course is to train the student in judging and evaluating reference and audio-visual materials with special attention given to encyclopedias for young people and at least one adult encyclopedia, abridged and unabridged dictionaries, yearbooks, handbooks and pictorial material. 2 sem. hrs.

8:55-9:45 A. M.

MISS MAESTRI

**Lsc. 106 Book Selection for the School Library** This course will be devoted to a study of the reading interests and habits of children and adolescents, of the principles of book selection, of book-buying aids, publishers and editors, and of the methods of guiding the reading of young people, including all types-retarded, average and superior. 2 sem. hrs.

9:50-10:40 A. M.

MISS MAESTRI

## MODERN FOREIGN LANGUAGES

REV. LOUIS G. SONIAT, S.J., A.M., *Acting Chairman*

### Summer Trimester

#### A. French

**Fr. 001 Basic French** This course aims to give the essentials of French; pronunciation, conversation, grammar, reading. The semester hours credit will be allowed toward the completion of the total hours for graduation, but not toward the fulfillment of the language requirement. 3. sem. hrs.

**Fr. 002** A continuation of Fr. 001. 3 sem. hrs.

**Fr. 101 Intermediate** Continuation of 001-002: conversation, grammar, reading, composition. Prerequisite: French 001-002 or a passing grade in a qualifying examination. 3 sem. hrs.

**Fr. 102** A continuation of French 101. 3 sem. hrs.

**Fr. 202 Survey of French Literature** A rapid survey of nineteenth and twentieth century literature. Collateral reading and composition. 3 sem. hrs.

**B. Spanish**

**Sp. 001 Elementary** A course intended to give the essentials of grammar. The semester hours credit will be allowed toward the completion of the total hours required for graduation, but not toward the fulfillment of the language requirement.

3 sem. hrs.

**Sp. 002** A continuation of Sp. 001. 3 sem. hrs.

**Sp. 101 Intermediate** Continuation of Sp. 001-002: conversation, grammar, reading, composition. Prerequisite: Spanish 001-002 or a passing grade in a qualifying examination.

3 sem. hrs.

**Sp. 102** A continuation of Sp. 101. 3 sem. hrs.

**Sp. 202 Survey** A survey of Spanish literature. Collateral reading and composition. 3 sem. hrs.

**C. German**

**Gr. 001 Elementary** A course intended to give the essentials of grammar. The semester credit hours will be allowed toward the completion of the total hours required for graduation, but not toward the fulfillment of the language requirements.

3 sem. hrs.

**Gr. 002** A continuation of Gr. 001 3 sem. hrs.

**Gr. 101 Intermediate** Review of grammar; composition and reading. Prerequisite: Gr. 001-002 or a passing grade in a qualifying examination. 3 sem. hrs.

**Gr. 102** A continuation of Gr. 101. 3 sem. hrs.

**Gr. 202 Survey** A survey of German literature. Collateral reading and composition. 3 sem. hrs.

**Six-Week Summer Session****A. French**

**Fr. 002 Basic French** (As described in Summer Trimester).

3 sem. hrs.

9:25-10:40 A. M.

FR. LANDRY

- Fr. 102 Intermediate** (As described in Summer Trimester).  
 8:00-9:15 A. M. 3 sem. hrs.  
 FR. LANDRY
- Fr. 202 Survey** (As described in Summer Trimester).  
 7:55-9:10 A. M. 3 sem. hrs.  
 FR. COYLE
- Fr. 308 Drama** The dramatic writings of the Eighteenth Century.  
 7:55-9:10 A. M. 3 sem. hrs.  
 FR. SONIAT

### B. Spanish

- Sp. 001-2 Elementary** (As described in Summer Trimester).  
 9:25-10:40 A. M. 6 sem. hrs.  
 10:50-12:05 A. M. MISS SNYDER
- Sp. 300 Phonetics of the Spanish Language** A course designed for teachers and advanced students of Spanish to assist them in proper pronunciation and to demonstrate improved methods of teaching the language.  
 8:00-9:15 A. M. 3 sem. hrs.  
 MR. INCHAUSTEGUI
- Sp. 303 Spanish-American Literature** Emphasis placed on the prose writers of Spanish America.  
 8:00-9:15 A. M. 3 sem. hrs.  
 MR. ABRAHAM

## PHILOSOPHY

REV. MARTIN P. BURKE, S.J., PH.D., *Chairman*

### Summer Trimester

- Pl. 203 Ontology** Being, its objective concept; essence; states of being; existence; possibility, internal and external; source of internal possibility; kinds of beings: substance and accident; distinction between nature and person; attributes of being; principle of causality. 2 sem. hrs.
- Pl. 204 Cosmology** The origin of the world; monism; pantheism; materialism; creation: formation and finality of the

world; the constructive properties of bodies; atomism; dynamism; hylomorphism; substantial changes; the laws of nature; miracles: definition, possibility, cognoscibility.

2 sem. hrs.

**Pl. 311 General Ethics** Definition, nature, object, and necessity of ethics; subjective and objective ultimate end of man; human action; its merit and imputability; norm of morality, true and false.

2 sem. hrs.

**Pl. 312 Individual and Social Ethics** Man's duty to his Creator; man's duty to himself; man's duty to his neighbor; duties to property; society: domestic, civil, international, religious.

2 sem. hrs.

**Pl. 315 History of Philosophy: Scholasticism** A study of patristic and scholastic philosophy from the beginning of the Christian era to A. D. 1450.

2 sem. hrs.

### Six-Week Summer Session

**Pl. 201 Dialectics** Definition and division of philosophy; natural and scientific logic; material elements of logic; acts of the mind; nature of these acts, their kinds, properties, and external expression; formal elements of logic; forms of argumentation; fallacies.

2 sem. hrs.

8:00-8:50 A. M.

FR. DALY

**Pl. 202 Epistemology** The study of truth, logical and moral; falsity; the study of the mind in relation to truth; ignorance; doubt; opinion; nature and kinds of certitude; scepticism; agnosticism; materialism; positivism; idealism; rationalism; traditionalism; criteria of truth.

2 sem. hrs.

8:55-9:45 A. M.

FR. SHIELDS

**Pl. 203 Ontology** (As described in Summer Trimester).

2 sem. hrs.

8:55-9:45 A. M.

FR. DALY

**Pl. 204 Cosmology** (As described in Summer Trimester).

2 sem. hrs.

10:50-12:05 A. M.

FR. MULLIN

**Pl. 301 Psychology** Life in general; empirical observation of vital action; the power of self-motion; purposive activity; immanency of action; scholastic concept of life; the three essentially different grades of life; the prime principle of life; the theory of evolution; the nature of the soul; the origin of the soul; the immortality of the soul; union of soul and body.

9:50-10:40 A. M.

2 sem. hrs.  
FR. SHIELDS

**Pl. 308 Theodicy** Atheism, agnosticism, deism, theism; the existence of God; the essence of God; the divine attributes; God and the world; the materialistic and pantheistic concept of God.

9:50-10:40 A. M.

2 sem. hrs.  
FR. DONAHUE

**Pl. 311 General Ethics** (As described in Summer Trimester).

8:00-8:50 A. M.

2 sem. hrs.  
FR. DONAHUE

**Pl. 312 Special Ethics** (As described in Summer Trimester).

9:50-10:40 A. M.

2 sem. hrs.  
FR. BURKE

## PHYSICS AND MATHEMATICS

REV. KARL A. MARING, S.J., PH.D., *Chairman*

### Summer Trimester

#### A. Physics

**Ph 201 General Physics** The principles of mechanics, heat, sound, light, magnetism, electricity, and fundamentals of atomic physics constitute this course. It is intended for pre-medical, pre-dental, medical technician, and students who do not offer physics, mathematics, or pre-engineering as their field of concentration. Three lectures each week for two trimesters. Prerequisite: Mt. 101 or 103, and 105.

3 sem. hrs.

**Ph. 202 General Physics** A companion laboratory course of about thirty experiments to Ph. 201-203. One laboratory period each week for two trimesters. 1 sem. hr.

**Ph. 313 General Physics** An intensive course in general physics. It is intended for students whose major fields of concentration are chemistry, mathematics, or physics, as well as for pre-engineering students. The objective of this course is a thorough grounding based on rigorous mathematical treatment in the fundamentals of mechanics, wave motion, sound, heat, light, magnetism, electricity, and molecular physics. Prerequisite: Mt. 103, 105. 3 sem. hrs.

**Ph. 214 General Physics** A companion laboratory course of about fifty selected experiments to Ph. 213 1 sem. hr.

**Ph. 203 Electricity and Magnetism** A lecture course giving an extended and mathematical treatment of the theory and practical applications. Three lectures per week. Prerequisites: Ph. 201-203 (A or B), Mt. 301-302. 3 sem. hrs.

**Ph. 304 Electrical Measurements** Laboratory work in electricity and magnetism. Coordinated with Ph. 301-303 and having the same prerequisites. Two laboratory periods. 2 sem. hrs.

**Ph. 319 Sound** The dynamics of vibrating bodies; transmission of sound; architectural acoustics, loud speakers, and microphones; supersonics; characteristics of speech and hearing. Prerequisite: Same as for Ph. 301-302. Three lecture periods. 3 sem. hrs.

**Ph. 320 Laboratory Work in Sound** The course is designed to illustrate by experiment the principles of Ph. 319. Two laboratory periods. 2 sem. hrs.

**Ph. 337 Electronics and Radio Physics** The electron and its properties; thermionic and photo-electric emission; radio transmission and receiving circuits and apparatus. Prerequisites: Ph. 301-303, Mt. 310. Three lecture periods. 3 sem. hrs.



**Ph. 338 Practical Electronics and Radio Physics** A laboratory course designed to accompany and illustrate Ph. 335-336. Two laboratory periods each week. 2 sem. hrs.

### B. Mathematics

**Mt. 101 College Algebra** Fundamental algebraic operations: addition, subtraction, multiplication, division, factoring, equations; theory of equations. This course fulfills the algebra requirements for all students except those who elect their field of concentration in mathematics or chemistry or physics. 3 sem. hrs.

**Mt. 105 Plane Trigonometry** Trigonometric functions of acute angles; use of the table of natural functions; the right triangle; trigonometric functions of any angle; functions of the sum or the difference of two angles; the oblique triangle; graphs of functions; trigonometric identities and equations; application of trigonometry to algebra. 3 sem. hrs.

**Mt. 107 Freshman Mathematics** This course is to be a combination of Algebra, Trigonometry and Analytic Geometry based on Brinks: "First year college Mathematics". Five hours per week. 5 sem. hrs.

**Mt. 203 Plane Analytic Geometry** Different systems of coordinates; point; straight line; conic; transformation of coordinates; higher plane curves. Prerequisite: Mt. 103. 3 sem. hrs.

**Mt. 302 Integral Calculus** Integration by all methods; evaluation of the constant of integration; the definite integral; the fundamental theorem of integral calculus; series; multiple integrals. Prerequisite: Mt. 203. 3 sem. hrs.

**Mt. 316 Vector Analysis** Addition, multiplication, differentiation, and integration of vector quantities. Prerequisite: Mt. 302. 3 sem. hrs.

**Six-Week Summer Session**

- Mt. 101 College Algebra** (As described in Summer Trimester). 3 sem. hrs.  
8:00-9:15 A. M. MISS SCHREMP
- Mt. 103 College Algebra** Logarithms; slide rule; theory of equations; inequalities; combinations and permutations; mathematical induction; binomial theorem; determinants; progression; infinite series; partial fractions. 3 sem. hrs.  
9:25-10:40 A. M. MISS SCHREMP
- Mt. 105 Plane Trigonometry** (As described in Summer Trimester). 3 sem. hrs.  
9:25-10:40 A. M. MISS M. DISCON
- Mt. 203 Plane Analytic Geometry** (As described in Summer Trimester). 3 sem. hrs.  
10:50-12:05 A. M. MISS M. DISCON

**RELIGION**

REV. LOYD F. HATREL, S.J., S.T.L., *Chairman*

**Summer Trimester**

- Rl. 101 A Survey of Catholic Doctrine and Practice** This course is offered every year for students who have had no religion course in high school. It embraces the fundamental concepts every Catholic student should know concerning the Creed, the Sacraments, and the Ten Commandments. 2 sem. hrs.
- Rl. 105 Apologetics** Revelation, the historicity of the Gospels; the Divinity of Christ; the Church of Christ; the Primacy of Peter; infallibility; the marks of the Church. 2 sem. hrs.
- Rl. 202 Channels of Redemption** A detailed study of the Sacraments; actual and sanctifying grace. 2 sem. hrs.

**Rl. 302 Sacred Scripture** The Bible in general; inspiration; canon of the Bible; rules of interpretation; exegesis of selected parts of the New Testament; the Life of Christ.

2 sem. hrs.

**Rl. 306 Christian Marriage** Notions on morality; the Church's part in determining morality; the power of the state and Church over marriage; prenuptial requirements; premarital chastity; general preparation for marriage; rights and duties of married couples; birth control; divorce.

2 sem. hrs.

### Six-Week Summer Session

**Rl. 105 Apologetics** (As described in Summer Trimester).

2 sem. hrs.

11:00-11:50 A. M.

FR. BENANTI

**Rl. 202 Channels of Redemption** (As described in Summer Trimester).

2 sem. hrs.

8:20-9:10 A. M.

FR. HARTNETT

**Rl. 302 Sacred Scripture** (As described in Summer Trimester).

2 sem. hrs.

9:15-10:05 A. M.

FR. TYNAN

**Rl. 306 Marriage** (As described in Summer Trimester).

2 sem. hrs.

11:00-11:50 A. M.

FR. HATREL

**SOCIOLOGY**ARTHUR T. DONOHUE, PH.D., *Chairman***Summer Trimester**

**Sl. 101 Elements of Normal Sociology** Delimitation of scope; orientation with other sciences; postulates in normal sociology; biological inheritance, origin of man, culture and civilization; tendencies, social, asocial, and antisocial; foundations of social action; brief outline of social theory; uses and advantages of statistical language. 3 sem. hrs.

**Sl. 102 Social Institutions** Social environments, habits, group behavior; marriage and the family group; the state and political action; economic and occupational groups; education and educational groups; recreation and recreational groups; international groups; social work, individual, corporate and political. 3 sem. hrs.

**Sl. 205 Social Disorders—Economic** Working conditions and wages; workers' risks; labor and labor unions; industrial cooperation and friction; housing; rural problems. 3 sem. hrs.

**Sl. 206 Social Disorder—Dependency and Delinquency** Poverty, dependency and relief; formal and informal charity; treatment of defectives; eugenics and population problems; problems of family life; crime and delinquency. 3 sem. hrs.

**Sl. 301 Urban Sociology** A study of the development of the modern city; man's major adjustments to urban life, such as the new realignment of rights and duties; urban problems of housing, health, education and recreation are treated. 3 sem. hrs.

**Sl. 307 Social Aspects of Industry** A comprehensive study of social problems arising from industrial conditions. The causes of unemployment; industrial disorganization; growth of unionism; social unrest; poverty and relief; solution of the problem. 3 sem. hrs.

**Sl. 318 Rural Sociology** The development of the agricultural industry in the United States; rural society and sociology; agricultural communities; the rural people; the farmer's wealth and income; the farmer's standard of living; rural institutions and rural social life. 3 sem. hrs.

**Sl. 319 Crime and Juvenile Delinquency** A scientific approach to the problems of crime, the criminal, punishment and reform. The causes of juvenile delinquency; treatment; methods of diagnosis; probation and parole; the juvenile court system. 3 sem. hrs.

### Six-Week Summer Session

**Sl. 101 Elements of Normal Sociology** (As described in Summer Trimester). 3 sem. hrs.  
9:25-10:40 A. M. MR. BOURGEOIS

**Sl. 303 The Family** Factors of family integration; the causes of family disintegration; the industrial revolution and its effects on family life; divorce, birth control, factors of family reintegration. This course will be allowed for credit in the department of Religion. 3 sem. hrs.  
10:50-12:05 A. M. FR. TOOMEY

**Sl. 306 Christian Social Reforms** This is a study of the Christian attitude toward modern social questions. The Papal encyclicals of Leo XIII and Pius XI are stressed. This course will be allowed for credit in the Department of Religion. 3 sem. hrs.  
8:00-9:15 A. M. MSGR. JACOBI





